

(A) Please amend the claims as follows:

1. (Currently amended) A stencil screen assembly including the combination of:

a stencil screen having a desired pattern to be imprinted defined by paint pervious openings bounded by an adhered paint-impervious layer;

a rectangular stencil screen frame including upstanding elongated sidewalls joined by spaced apart upstanding end walls to circumscribe a screen window opening establishing a stencil screen support plane; said upstanding elongated sidewalls including side plate sections generally perpendicular to said stencil, said side plate sections having sufficient resiliency to inwardly elastically bend toward each other to thereby relieve said stencil screen of a significant part of the stress while a squeegee traverses said desired pattern to be imprinted and to restore said stencil screen to said stencil screen support plane when displaced there from by as a squeegee while traversing traverses said desired pattern to be imprinted; and

screen support arms secured to said rectangular stencil screen frame to extend outwardly from said end walls.

2. (Original) The stencil screen assembly according to claim 1 wherein said upstanding elongated sidewalls have a sufficiently thin wall thickness to allow resilient torsional displacement about axes parallel to the elongated length of said upstanding elongated sidewalls.

3. (Original) The stencil screen assembly according to claim 2 wherein said upstanding elongated sidewalls are defined by L shaped cross sectional configurations having upstanding heights defining an ink reservoir volume above a projecting foot of the L shaped cross sectional configuration.

4. (Original) The stencil screen assembly according to claim 3 wherein said projecting foot defines an attachment site for adherence of said stencil screen.

5. (Original) The stencil screen assembly according to claim 1 wherein said upstanding elongated sidewalls and upstanding end walls are defined by L shaped cross sectional configurations having upstanding heights defining an ink reservoir volume above an internally projecting foot mitered at juncture sites between each of said side walls and said end walls, said projecting foot of each of said upstanding elongated sidewalls and said upstanding end walls defining a screen mounting shelf.

6. (Original) The stencil screen assembly according to claim 5 further including an electrically insulating coating on said upstanding elongated sidewalls and said upstanding end walls to electrically insulate said rectangular stencil screen frame from said stencil screen.

7. (Original) The stencil screen assembly according to claim 6 further including an electrically insulating layer of adhesive bounding an outer marginal edge portion of said stencil screen to said mounting shelf.

8. (Original) The stencil screen assembly according to claim 6 wherein said stencil screen includes electrically conductive terminal end portions extending from said upstanding elongated sidewalls along said screen support arms and pressed into electrically conductive contact with underlying bus bars.

9. (Original) The stencil screen assembly according to claim 8 wherein said screen support arms include frame support sites spaced outwardly from elongated bus bar sites substantially correspond to the width of said stencil screen traversing said spaced apart end walls,

and wherein said elongated bus bar sites define compression sites for establishing electrical conductivity with electrical bus bars.

10. (Original) The stencil screen assembly according to claim 1 wherein said screen support arms include elongated plainer arms having sufficient resiliency to allow displacement of said stencil screen frame by a squeegee while traversing said desired pattern to be imprinted.

11. (Original) The stencil screen assembly according to claim 10 wherein said upstanding end walls are half divided and integral with said upstanding elongated sidewalls.

12. (Original) The stencil screen assembly according to claim 11 wherein said screen support arms further include mounting legs joined to structurally reinforce said end wall.

13. (Original) The stencil screen assembly according to claim 1 wherein said upstanding elongated sidewalls have sufficient resiliency to maintain preloaded stressing of said stencil screen along opposite longitudinal sides thereof.

14. (Currently amended) A stencil screen assembly including the combination of:  
a stencil screen having a desired pattern to be imprinted defined by an adhered paint-impervious layer;

a rectangular stencil screen frame including upstanding elongated sidewalls joined by spaced apart upstanding end walls to circumscribe a screen window opening establishing a stencil screen support plane; and

screen support arms secured to said rectangular stencil screen frame to extend outwardly from said end walls, said screen support arms having sufficient resiliency to

downwardly elastically bend to thereby relieve said stencil screen of a significant part of the stress while a squeegee traverses said desired pattern to be imprinted and to restore said stencil screen to said stencil screen support plane ~~when displaced there from by~~ as a squeegee ~~while traversing~~ traverses said desired pattern to be imprinted.

15. (Currently amended) A stencil screen assembly including the combination of:

a stencil screen having a desired pattern to be imprinted defined by an adhered paint-impervious layer, said stencil screen having sufficient strength transversely to plane of the screen to allow deflection from the plane of the screen without elastic deformation;

a stencil screen frame including upstanding elongated sidewalls joined by spaced apart upstanding end walls to circumscribe a screen window opening establishing a stencil screen support plane; and

screen support arms secured to said stencil screen frame to extend outwardly from said end walls, at least one of said upstanding elongated sidewalls and said screen support arms having sufficient resiliency to elastically bend to thereby relieve said stencil screen of a significant part of the stress while a squeegee traverses said desired pattern to be imprinted and to restore said stencil screen to said stencil screen support plane ~~when displaced there from by~~ as a squeegee ~~while traversing~~ traverses said desired pattern to be imprinted.

16. (New) A stencil screen assembly including the combination of:

a rectangular stencil screen frame including upstanding sidewalls joined by spaced apart upstanding end walls to circumscribe a stencil screen support plane, said rectangular stencil screen frame including screen support arms secured to extend outwardly from said end walls;

an electrically conductive stencil screen having a desired pattern to be imprinted defined by paint pervious openings bounded by an adhered paint-impervious layer, said electrically conductive stencil screen adhered to said elongated sidewalls with said desired pattern to be imprinted residing in said stencil screen support plane, said electrically conductive stencil screen including electrically conductive terminal end portions supported by said screen support arms remote to said end walls;

a screen holder assembly for each of said screen support arms to interconnect said rectangular stencil screen frame with spaced apart control arms of a decorating machine, said screen holder assembly for each of said screen support arms supporting an electrically conductive terminal electrically connected to an elongated electrical bus bar fastened to said screen holder assembly, said elongated electrical bus bar arranged to traverse said electrically conductive terminal end portions in a generally parallel relation with said end walls for establishing electrical contact there between when said silk screen support arms releasable mount said rectangular silk screen frame to said spaced apart control arms of a decorating machine; and

fasteners to make electrically conductive contact by compressing said electrically conductive terminal end portions between said elongated electrical bus bars and said screen support arms while rigidly securing each said screen holder assembly to said screen support arms.

17. (New) The stencil screen assembly according to claim 16 wherein said screen support arms include frame support sites spaced outwardly from elongated bus bar sites substantially correspond to the width of said stencil screen traversing said spaced apart end walls, and wherein said elongated bus bar sites define compression sites for establishing electrical

conductivity with.

18. (New) The stencil screen assembly according to claim 16 wherein said screen holder assembly for each of said screen support arms said elongated buss bar comprises a raised electrical contact rib transversely arranged above a planer face surface of an electrical insulator block.

19. (New) The stencil screen assembly according to claim 18 wherein said elongated buss bar further includes a bar extension protruding from a lateral side thereof for receiving a fastener to attach an electrical lead wire.